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Vendor: IBM

Exam Code: C4040-123

Exam Name: Power Systems with POWER7 and AIX &
Linux Sales Skills -v2

Version: Demo

QUESTION NO: 1

A 010 is questioning why a purchasing agent has ordered a POWER7+ 770 rather than a POWER7+740. What customer requirement would prompt this buying decision?

- A. To support at least 1TB of memory
- B. To enable High Availability failover
- C. To support Active Memory Expansion
- D. To implement CoD cores and memory

Answer: D

Explanation:

QUESTION NO: 2

A 16-core Power 730 running Red Hat Linux is being considered as a platform for a high performance, big data application and needs 7TB of disk space.

Which storage option will provide the highest overall performance and use the least amount of rack space?

- A. V7000 using EasyTier
- B. SONAS using Active Cloud Engine
- C. DCS3700 using Dynamic Disk Pooling
- D. EXP30 using AIX Logical Volume Mirroring

Answer: D

Explanation:

QUESTION NO: 3

Three healthcare organizations have merged and consolidated into a single location. The IT director stated that the company would like to establish offsite data vaulting.

Which storage product will support this requirement?

- A. V3700
- B. N3000
- C. TS3500
- D. EXP2500

Answer: C

Explanation:

QUESTION NO: 4

A financing firm has multiple offices. The firm needs to reduce current operational costs and manage financial regulation compliance and its associated security risks.

Which action can help this business support their objectives?

- A. Install PowerHA in each location
- B. Implement PowerVM in Trusted mode
- C. Incorporate VMControl exposure policies
- D. Integrate PowerSC into their environment

Answer: D

Explanation:

QUESTION NO: 5

A customer wants to support AIX and Linux on a single system with VLAN support and end-user Cloud provisioning In addition to AIX Enterprise Edition and Linux, what is the optimal product to support this environment?

- A. PowerVM
- B. IBM Cloudburst
- C. SmartCloud Standard
- D. IBM Service Delivery Manager (ISDM)

Answer: A

Explanation:

QUESTION NO: 6

What condition qualifies the use of AIX Express Edition within the Power Systems hardware product line?

-
- A. The maximum number of active partitions is limited to 3 partitions of any type.
 - B. Licensing is restricted to specific system models.
 - C. Processor allocations must be assigned in whole core increments.
 - D. Supported platforms are limited to servers with up to 2 sockets.

Answer: B

Explanation:

QUESTION NO: 7

Which of the following business issues provides an opportunity to discuss the competitive advantages of an AIX based system using Capacity on Demand?

- A. Government regulations to improve the security of personal data are causing a significant increase in IT spending.
- B. Plans to open new operating facilities has generated interest in creating a business continuity plan between multiple sites.
- C. Mobile workers are complaining there is not adequate bandwidth for running business applications on their mobile devices.
- D. Monthly and quarterly reporting requirements are causing other web applications to negatively impact customer response time.

Answer: D

Explanation:

QUESTION NO: 8

A customer states that Power Systems servers are too expensive to purchase when compared to other servers. What is an appropriate response?

- A. The high cost of Power Systems is offset by their reliability.
- B. The true measure of system cost is TCO and not acquisition price.
- C. Power Systems servers offer twice the performance of x86 systems for the same acquisition cost.
- D. The added value of a 3 year hardware warranty offsets the higher acquisition cost when compared to x86 systems.

Answer: B

Explanation:

QUESTION NO: 9

Which statement accurately describes the advantage provided by the Active System Optimizer (ASO) feature in AIX?

- A. ASO improves the speed of multi-site cluster failover.
- B. ASO decreases the amount of time required for an I/O operation.
- C. ASO increases application performance by improved affinity of cores and memory.
- D. ASO provides a higher level of virtualization performance by eliminating the need for PowerVM.

Answer: C

Explanation:

QUESTION NO: 10

What function of PowerVM is not available in VMware?

- A. Multiple Virtual I/O Servers
- B. I/O devices dedicated to a single partition
- C. Data deduplication for directly attached storage
- D. Move partitions between systems without reboot

Answer: A

Explanation:

QUESTION NO: 11

A customer with multiple Power Systems servers running AIX has an application that needs maximum availability. Which solution will support the requirement?

- A. PowerHA SystemMirror
- B. Tivoli High Availability Manager
- C. PowerVM with Suspend/Resume
- D. PowerVM utilizing Live Partition Mobility

Answer: A

Explanation:

QUESTION NO: 12

A customer needs to quickly provision new workloads. Which product can capture an image of an existing partition and use it for future workload provisioning?

- A. AIX Workload Manager
- B. Tivoli Enterprise Manager
- C. VMControl Standard Edition
- D. PowerHA Enterprise Edition

Answer: C

Explanation:

QUESTION NO: 13

A company with POWER8 servers running manufacturing applications would like to upgrade both the applications and the servers. The application vendor has published guidelines for sizing a POWER7 740 server with AIX.

The IT manager wants to ensure optimum performance during peak workloads.

Which additional resource or feature will provide the most significant benefit in this environment?

- A. Additional memory
- B. Additional I/O adapters
- C. Active Memory Mirroring
- D. Active Memory Expansion

Answer: A

Explanation:

QUESTION NO: 14

Which of the following are advantages of AIX compared to Windows?

- A. Extensive list of ISV applications supported
- B. Supports multiple virtualization technologies
- C. Architecture provides an improved security model
- D. Number of certified engineers and developers

Answer: C

Explanation:

QUESTION NO: 15

Which of the following is a reason why AIX is a leader in the UNIX marketplace?

- A. AIX development is outsourced worldwide to attract the best developers.
- B. AIX primarily works with the Open Source community to extend its functionality.
- C. AIX binary compatibility enables customers to run programs originally compiled for HP-UX and Oracle/Solaris.
- D. AIX is jointly developed with Power Systems hardware and provides improved support for new technologies.

Answer: D

Explanation:

QUESTION NO: 16

An SAP environment is experiencing high paging rates and degraded performance. Which virtualization feature will improve the situation?

- A. Live Partition Mobility
- B. Shared Processor Pools
- C. Workload Partitions (WPAR)
- D. Active Memory Expansion (AME)

Answer: D

Explanation:

QUESTION NO: 17

What is the value of AIX binary compatibility?

- A. Applications can run on either AIX or Linux.
- B. Applications can run on any release of AIX or IBM i.
- C. Applications can run on the next release of AIX after recompiling.
- D. Applications will run on the next release of AIX without recompiling.

Answer: D

Explanation:

QUESTION NO: 18

The IT director of a data center has servers from Dell, IBM and Sun:

- The Dell servers run Linux
- The Sun Servers run Solaris
- The IBM servers run AIX.

Consolidation to fewer platforms is being considered.

What competitive advantage does the purchase of a new POWER7 server have over a new Sun T5 server for this customer environment?

- A.** Linux and AIX run natively on Power Systems servers.
- B.** Capacity on Demand resources can be activated in increments of one tenth of a processor core.
- C.** WPAR5 can be implemented on an AIX system to support both of the UNIX and Linux workloads.
- D.** A POWFR7 system supports twice the number simultaneous threads per clock cycle of Dell and Sun systems.

Answer: A

Explanation:

QUESTION NO: 19

An existing customer with a POWER5 server would like to compare the performance differences for a new Power Systems server. Which resource provides the information in the most concise format?

- A.** PM for Power Systems
- B.** Commercial Processing Workload
- C.** Competitive Performance Analysis
- D.** Power Systems Performance Report

Answer: D

Explanation:

QUESTION NO: 20

A data center manager has been tasked with improving service, utilization, and availability of the enterprise. The manager is interested in finding a management utility product, but wants to have a no-charge trial period before going to the effort of securing funding approval.

Which product or service supports the requirements?

- A. Tivoli Endpoint Manager
- B. AIX Performance Toolbox
- C. Health Advisor Plug-in for Power Systems
- D. Performance Management for Power Systems

Answer: D

Explanation:

QUESTION NO: 21

A customer is ordering a PowerLinux 7R2 and requires virtualization capabilities. Which of the following supports the customer requirement?

- A. SuSewithXEN
- B. SuSe with KVM
- C. SuSe with PowerVM
- D. SuSe with VMControl

Answer: C

Explanation:

QUESTION NO: 22

A firm has very little time to apply maintenance to their systems. Which product provides the capability to move work from one server to another, so that the first server is free for maintenance?

- A. AIX Enterprise Edition
- B. PowerVM Enterprise Edition
- C. Systems Director Enterprise Edition

Answer: B

Explanation:

QUESTION NO: 23

What is an advantage of PowerVM on Power Systems compared to VMware on x86 systems?

- A. Memory can be shared between running partitions.
- B. Partitions can be created using a fraction of a core.
- C. Active partitions can be moved from one system to another.
- D. Both SuSe and Red Hat Linux can run in separate partitions.

Answer: A

Explanation:

QUESTION NO: 24

The AIX operating system release and service strategy offers customers which of the following benefits?

- A. Three years of support for each AIX Technology Level
- B. One year of on-site support for any AIX defect that causes downtime
- C. Lifetime Technology Level support for AIX during the life of the hardware
- D. One time no-charge upgrade of AIX while system has a maintenance contract in place.

Answer: A

Explanation:

QUESTION NO: 25

A customer has a large Oracle database partition that requires 28 cores and 412 GB of memory. The customer expects to grow 25% over the next year and wants to buy a server that will handle the growth, without over buying.

Which server should be recommended?

-
- A. Power 740
 - B. Power 750
 - C. Power 770
 - D. Power 795

Answer: C

Explanation:

QUESTION NO: 26

A manufacturing company has two facilities, located 200 miles apart, which require failover capability, The systems have WebSphere applications and Oracle databases, running on Power 770 servers with EMC storage.

The customer would like to implement high availability using PowerHA between the two sites.

What form of data replication integrates best with PowerHA?

- A. MetroMirror
- B. EMCSRDE
- C. GlobalMirror
- D. Oracle Data Guard

Answer: C

Explanation:

QUESTION NO: 27

Which IBM Software Group product provides an environment for creating, maintaining, and migrating or porting applications to Power Systems servers running AIX or Linux?

- A. xCode IDE
- B. Rational Developer
- C. alphaWorks Toolkit
- D. InfoSphere DataStage

Answer: B

Explanation:

QUESTION NO: 28

A single Power based server has two AIX partitions. One partition needs all of the system resources to meet Service Level Agreements at monthly closing. What PowerVM function can make all system resources available to the critical application?

- A. Suspend/Resume
- B. Live Partition Mobility
- C. Shared System Pools
- D. Partition Load Manager

Answer: A

Explanation:

QUESTION NO: 29

What is a key advantage of running Linux on Power Systems as opposed to Linux on x86 systems?

- A. Linux on Power is priced lower than Linux on x86, creating lower overall acquisition cost.
- B. Linux on Power has a larger user base than Linux on x86, reducing the need for staff training.
- C. Linux on Power is supported by PowerVM, providing higher system utilization over VMware and KVM.
- D. Linux on Power has higher performance than Linux on x86 in SpecInt benchmarks, for faster application performance.

Answer: C

Explanation:

QUESTION NO: 30

A customer who ordered Red Hat Linux from IBM needs to renew their subscription to the distribution. How should this be done?

- A. Renewal subscriptions must be ordered directly from Red Hat.
- B. If SWMA is in effect, the subscription is automatically extended.
- C. Subscriptions are automatically renewed unless the customer specifies otherwise.
- D. If SWMA is not in effect, and After License Charge (ALC) will be required before the subscription can be renewed.

Answer: A

Explanation:

QUESTION NO: 31

How does PowerSO reduce the risk of compromised security on a Power Systems server?

- A.** It certifies Power Hypervisor security by enforcing policy compliance during system boot.
- B.** It ensures that an AIX operating system image has not been inadvertently or maliciously altered.
- C.** It enforces compliance with Evaluated Assurance Level 4+ during application development and testing.
- D.** It provides real time updates for regulatory requirements to safeguard against unforeseeable security attacks.

Answer: B

Explanation:

QUESTION NO: 32

Which of the following are customer support options for the SuSe or Red Hat Linux distributions for Power Systems servers?

- A.** IGS Support Services
Community support
- B.** IBM PowerLinux SWMA
IGS Support Services
- C.** Red Hat and SuSe support
OS Support Services
- D.** Red Hat and SuSe support
Community support

Answer: C

Explanation:

QUESTION NO: 33

A customer with Oracle, Cisco, and IBM systems wants to have a single management tool. Which of the following products are appropriate for this environment?

-
- A. IBM SmartCloud Manager
 - B. IBM Service Delivery Manager
 - C. IBM Systems Management Director
 - D. IBM Systems Management Console

Answer: B

Explanation:

QUESTION NO: 34

Which statement describes an advantage of running Linux on a PowerLinux server?

- A. It supports over 200 virtual machines per system.
- B. It supports six threads per core for optimum performance.
- C. It allows up to three AIX LPARs to be configured in addition to Linux.
- D. It is the most cost effective Power Systems server for Linux workloads.

Answer: D

Explanation:

QUESTION NO: 35

A prospective client is planning a server consolidation project which relies heavily on virtualization technologies. The client showed some SPEC benchmark numbers that made POWER7 and Xeon performance appear to be equivalent.

Which response articulates the advantage of Power Systems when used in benchmarks?

- A. Benchmarks do not utilize SMT and will show less positive results than can actually be obtained.
- B. Benchmarks on x86 systems exclude VMware overhead but the POWER Hypervisor is always included.
- C. Benchmarks for POWER7 do not recognize that execution speeds will increase as performance improves over time.
- D. Benchmarks run on x86 architecture servers use different rules and generally show better results over POWER7 systems.

Answer: B

Explanation:

QUESTION NO: 36

What customer requirement does Active Memory Expansion satisfy?

- A. Need to upgrade the DIMMs from 32 GB to 64GB.
- B. Hot-add support of new memory DIMMs to satisfy increasing memory demands.
- C. Additional memory is needed to implement a new application but maximum memory is already installed
- D. Fluctuating memory demands and the need to automatically activate and deactivate memory as required

Answer: C

Explanation:

QUESTION NO: 37

The IT Director of a company has raised a concern to the CIO that the system administrators do not have sufficient skill to maintain an AIX environment. Training costs have led to a budgetary challenge.

What can be used to reduce the budgetary issue?

- A. Education Pack
- B. Account Advocate
- C. Solution Central Services
- D. Tuition Assistance Initiative

Answer: A

Explanation:

QUESTION NO: 38

A customer is considering a purchase of a PowerLinux 7R1 server. The customer has concerns about the number of partitions that can be supported, since there are a limited number of internal adapter card slots.

What topic should be discussed to help alleviate this concern?

-
- A. VIO Server
 - B. Multipath I/O
 - C. Workload Partitions
 - D. Shared Processor Pools

Answer: A

Explanation:

QUESTION NO: 39

A research university is planning the addition of a Hadoop based environment using PowerLinux servers. What IBM Software Group product should be considered?

- A. Lotus Domino
- B. InfoSphere Biginsights
- C. FileNet Content Manager
- D. PureData for Operational Analytics

Answer: B

Explanation:

QUESTION NO: 40

The new CIO of a financial firm has expressed a concern that a PowerLinux server should not be considered because it would be too expensive.

What should be articulated to show the value proposition a PowerLinux server?

- A. IBM's distribution of Linux and PowerVM Entry Edition at no charge significantly reduces the total price.
- B. Low cost 2U space saver and 4U high performance models offer consolidation and virtualization opportunities.
- C. Commodity components such as memory, disks and adapters are used to provide prices comparable to x86 servers.
- D. 2U rack mount and PureFlex nodes are available, with zero charge and reduced price features to make them very price competitive.

Answer: D

Explanation:

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